THE AMENDMENT

In the Claims

1-79 (canceled).

80. (New) An electrophoretic or liquid crystal display which comprises display cells filled with a display fluid and top-sealed with a sealing layer formed from a sealing composition comprising a high dielectric polymer or oligomer and a radiation curable composition.

81. (New) The electrophoretic or liquid crystal display of Claim 80 wherein said sealing layer is between the display fluid and a substrate or electrode layer.

82. (New) The electrophoretic or liquid crystal display of Claim 80 wherein said sealing layer is between the display fluid and an adhesive or overcoat layer on a substrate or electrode layer.

83. (New) An electrophoretic or liquid crystal display of Claim 82 wherein said adhesive layer is formed from a composition comprising a high dielectric polymer or oligomer and a radiation curable composition.

84. (New) A method for improving the physicomechanical and electro-optical properties of an electrophoretic or liquid crystal device or display, which method comprises top-sealing display cells with a sealing composition which comprises a high dielectric polymer or oligomer and a radiation curable composition.

85. (New) A method for improving the physicomechanical and electro-optical properties of an electrophoretic or liquid crystal device or display which method comprises:

(a) forming display cells on a first substrate or electrode layer;

(b) filling a display fluid into the display cells;

(c) top-sealing the filled display cells with a sealing composition comprising a high dielectric polymer or oligomer and a radiation curable composition; and

(d) disposing a second substrate or electrode layer onto the top-sealed display cells by lamination, coating, printing, vapor deposition, sputtering or a combination thereof.

86. (New) The method of Claim 85 wherein said first or second electrode layer comprises a patterned electrode.

87. (New) A semi-finished display panel which comprises:

a) an array of filled display cells on an electrode or substrate layer, which filled display cells are top-sealed with a sealing layer; and

b) a temporary substrate laminated on top of the filled and top-sealed display cells, or

c) an array of filled display cells on a temporary substrate, which filled display cells are top-sealed with a sealing layer; and

d) an electrode or substrate layer laminated on top of the filled and top-sealed display cells;

wherein said sealing layer is formed from a sealing composition comprising a high dielectric polymer or oligomer and a radiation curable composition.

88. (New) The semi-finished display panel of Claim 87 wherein said display cells are microcups, microgrooves or microchannels.

89. (New) The semi-finished display panel of Claim 87 wherein said temporary substrate is a release liner.

90. (New) The semi-finished display panel of Claim 87 wherein said high dielectric polymer or oligomer is selected from a group consisting of polyurethanes, polyureas, polycarbonates, polyamides, polyesters, polycaprolactone, polyvinyl alcohol, polyether, polyvinyl acetate derivatives, polyvinyl fluoride, polyvinylidene fluoride, polyvinyl butyral, polyvinylpyrrolidone, poly(2-ethyl-2-oxazoline), acrylic or methacrylic copolymers, maleic anhydride copolymers, vinylether copolymers, styrene copolymers, cellulose derivatives, gum Arabic, alginate, lecithin and polymers derived from amino acids.

91. (New) The semi-finished display panel of Claim 87 wherein said radiation curable composition comprises a multifunctional monomer or oligomer.

92. (New) The semi-finished display panel of Claim 87 wherein said sealing composition further comprises a crosslinking agent.

93. (New) The semi-finished display panel of Claim 92 wherein said sealing composition further comprising a catalyst.

94. (New) A process for the manufacture of a semi-finished display panel which comprises:

a) preparing an array of display cells on an electrode or substrate layer;

b) filling the display cells;

c) top-sealing the filled display cells with a sealing layer formed from a sealing composition comprising a high dielectric polymer or oligomer and a radiation curable composition;

d) laminating a temporary substrate on top of the filled and top-sealed display cells; and optionally

e) curing or hardening the top-sealing layer.

95. (New) A process for the manufacture of a semi-finished display panel which comprises:

a) preparing an array of display cells on a temporary substrate;

b) filling the display cells;

c) top-sealing the filled display cells with a sealing layer formed from a sealing composition comprising a high dielectric polymer or oligomer and a radiation curable composition;

d) disposing an electrode or substrate layer on top of the filled and top-sealed display cells by lamination, coating, printing, vapor deposition, sputtering or a combination thereof; and optionally

e) curing or hardening the top-sealing layer.

96. (New) A process for the manufacture of a semi-finished display panel which comprises:

a) preparing an array of display cells on a temporary substrate;

b) filling the display cells;

c) top-sealing the filled display cells with a sealing layer formed from a sealing composition comprising a high dielectric polymer or oligomer and a radiation curable composition;

d) applying an adhesive layer on the top-sealed display cells; and

e) disposing an electrode or substrate layer on top of the adhesive layer by lamination, coating, printing, vapor deposition, sputtering or a combination thereof; and optionally

f) curing or hardening the sealing and adhesive layer.

97. (New) A semi-finished display panel which comprises an array of filled and top-sealed display cells between two temporary substrate layers, which filled display cells are top-sealed with a sealing layer formed from a sealing composition comprising a high dielectric polymer or oligomer and a radiation curable composition.

98. (New) The semi-finished display panel of Claim 97 wherein said display cells are microcups, microgrooves or microchannels.

99. (New) The semi-finished display panel of Claim 98 wherein said microcups are prepared by embossing, molding or lithography.

100. (New) The semi-finished display panel of Claim 97 wherein said temporary substrate is a release liner.

101. (New) A process for improving the adhesion and physicomechanical properties of an electrophoretic or liquid crystal display, which process comprises:

a) activating a catalyst or photoinitiator in a sealing layer of a semi-finished display panel on a temporary substrate, before or after the temporary substrate is peeled off;

b) laminating the activated semi-finished display panel without the temporary substrate onto a second electrode or substrate layer; and optionally

c) post curing the finished display panel.

102. (New) The process of Claim 101 wherein said sealing layer is formed from a sealing composition comprising a high dielectric polymer or oligomer and a radiation curable composition.

103. (New) The semi-finished display panel of Claim 87 wherein the panel is in the form of a roll.

104. (New) The semi-finished display panel of Claim 97 wherein the panel is in the form of a roll.

105. (New) A finished display or device, which comprises:

(a) an array of filled microcups on an electrode layer wherein said filled microcups are top-sealed with a sealing layer formed from a sealing composition comprising a high dielectric polymer or oligomer and a radiation curable composition; and

(b) a protective coating on the sealed microcup array.

106. (New) The finished display or device of Claim 105 comprises one electrode layer.

107. (New) The finished display or device of Claim 105 wherein said protective coating comprises a particulate additive.

108. (New) The finished display or device of Claim 105 wherein said electrode layer comprises a patterned electrode.

109. (New) A finished display or device which comprises:

(a) an array of filled and top-sealed microcups on a first substrate or electrode layer wherein said cells are top-sealed with a sealing layer formed from a sealing composition comprising a high dielectric polymer or oligomer and a radiation curable composition;

(b) a second electrode layer on the top-sealed microcup array wherein said second electrode layer is disposed onto the top-sealed microcup array by lamination, coating, printing, vapor deposition, sputtering or a combination thereof; and

(c) a protective coating on the second electrode layer.

110. (New) The finished display or device of Claim 109 comprises one electrode layer.

111. (New) The finished display or device of Claim 109 wherein said protective coating comprises a particulate additive.

112. (New) The finished display or device of Claim 109 wherein said electrode layer comprises a patterned electrode.